

APPENDIX A



Asbestos Identification Laboratory

165 New Boston St., Ste 227
Woburn, MA 01801
781-932-9600

Web: www.asbestosidentificationlab.com
Email: mikemanning@asbestosidentificationlab.com

Batch: 48695

NVLAP®
Lab Code: 200919-0

December 02, 2019

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Name: 225 Beaver St
Project Number: 1830.10
Date Sampled: 2019-11-20
Work Received: 2019-11-25
Work Analyzed: 2019-12-02

Analysis Method: BULK PLM ANALYSIS EPA/600/R-93/116

Dear Alan Sundquist,

Asbestos Identification Laboratory has completed the analysis of the samples from your office for the above referenced project. The information and analysis contained in this report have been generated using the EPA /600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Materials or products that contain more than 1% of any kind or combination of asbestos are considered an asbestos containing building material as determined by the EPA. This Polarized Light Microscope (PLM) technique may be performed either by visual estimation or point counting. Point counting provides a determination of the area percentage of asbestos in a sample. If the asbestos is estimated to be less than 10% by visual estimation of friable material, the determination may be repeated using the point counting technique. The results of the point counting supersede visual PLM results. Results in this report only relate to the items tested. This report may not be used by the customer to claim product endorsement by NVLAP or any other U.S. Government Agency. Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations. Unless notified in writing to return samples, Asbestos Identification Laboratory discards customer samples after 30 days. Samples containing subsamples or layers will be analyzed separately when applicable. Reports are kept at Asbestos Identification Laboratory for three years. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

- NVLAP Lab Code: 200919-0
- Massachusetts Certification License: AA000208
- State of Connecticut, Department of Public Health Approved Environmental Laboratory Registration Number: PH-0142
- State of Maine, Department of Environmental Protection Asbestos Analytical Laboratory License Number: LB-0078(Bulk) LA-0087(Air)
- State of Rhode Island and Providence Plantations. Department of Health Certification: AAL-121
- State of Vermont, Department of Health Environmental Health License AL934461

Thank you Alan Sundquist for your business.

Michael Manning
Owner/Director

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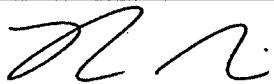
FieldID	Material	Location	Color	Non-Asbestos %	Asbestos %
LabID					
1A 538895	Sheetrock W/Paint	2nd Floor Left	multi	Hair Non-Fibrous	10 90 None Detected
1B 538896	Sheetrock W/Paint	2nd Floor Left	multi	Hair Non-Fibrous	10 90 None Detected
1C 538897	Sheetrock W/Paint	2nd Floor Left	multi	Hair Non-Fibrous	10 90 None Detected
2A 538898	9x9 Beige W/Grey Floor Tile	Kitchen	tan	Other Non-Fibrous	10 90 None Detected
2B 538899	9x9 Beige W/Grey Floor Tile	Kitchen	tan	Other Non-Fibrous	10 90 None Detected
2C 538900	9x9 Beige W/Grey Floor Tile	Kitchen	tan	Other Non-Fibrous	10 90 None Detected
3A 538901	Brown Mastic	Kitchen	brown	Cellulose Non-Fibrous	10 90 None Detected
3B 538902	Brown Mastic	Kitchen	brown	Cellulose Non-Fibrous	10 90 None Detected
3C 538903	Brown Mastic	Kitchen	brown	Cellulose Non-Fibrous	10 90 None Detected
4A 538904	Black Paint	Basement Wall	black	Non-Fibrous	100 None Detected
5A 538905	Ceiling Plaster	1st Floor Bedrooms	multi	Cellulose Non-Fibrous	20 80 None Detected
5B 538906	Ceiling Plaster	1st Floor Bedrooms	multi	Cellulose Non-Fibrous	20 80 None Detected
5C 538907	Ceiling Plaster	1st Floor Bedrooms	multi	Cellulose Non-Fibrous	20 80 None Detected
6A 538908	Ceiling Plaster White	Kitchen	white	Non-Fibrous	100 None Detected

FieldID LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
6B 538909	Ceiling Plaster White	Kitchen	white	Non-Fibrous 100	None Detected
6C 538910	Ceiling Plaster White	Kitchen	white	Non-Fibrous 100	None Detected
7A 538911	Ceiling Plaster, Brown	Kitchen	brown	Non-Fibrous 100	None Detected
7B 538912	Ceiling Plaster, Brown	Kitchen	brown	Non-Fibrous 100	None Detected
7C 538913	Ceiling Plaster, Brown	Kitchen	brown	Non-Fibrous 100	None Detected
8A 538914	White Ceiling Tile	2nd Floor Bath	tan	Cellulose 90 Non-Fibrous 10	None Detected
8B 538915	White Ceiling Tile	2nd Floor Bath	tan	Cellulose 90 Non-Fibrous 10	None Detected
8C 538916	White Ceiling Tile	2nd Floor Bath	tan	Cellulose 90 Non-Fibrous 10	None Detected
9A 538917	Tan Floor Tile		gray	Non-Fibrous 100	None Detected
10A 538918	Grey Corragated Roof Tile	Calf Barn	gray	Other 10 Non-Fibrous 70	Detected Chrysotile 20
10B 538919	Grey Corragated Roof Tile	Calf Barn	green		Not Analyzed
10C 538920	Grey Corragated Roof Tile	Calf Barn			Not Analyzed
11A 538921	12x12 White W/Grey Tile	Large Room	white	Non-Fibrous 100	None Detected
11B 538922	12x12 White W/Grey Tile	Large Room	white	Non-Fibrous 100	None Detected
11C 538923	12x12 White W/Grey Tile	Large Room	white	Non-Fibrous 100	None Detected
12A 538924	Tan Mastic	Large Room	tan	Cellulose 10 Non-Fibrous 90	None Detected
12B 538925	Tan Mastic	Large Room	tan	Cellulose 10 Non-Fibrous 90	None Detected
12C 538926	Tan Mastic	Large Room	tan	Cellulose 10 Non-Fibrous 90	None Detected

FieldID LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
13A 538927	White Ceiling Plaster	Larger Room	white	Non-Fibrous 100	None Detected
13B 538928					
13C 538929	White Ceiling Plaster	Large Room	white	Non-Fibrous 100	None Detected
14A 538930					
15A 538931	Vapor Paper	105	multi	Cellulose 40 Non-Fibrous 60	None Detected
16A 538932					
17A 538933	Vapor Paper	105	multi	Cellulose 70 Non-Fibrous 30	None Detected
538934					Not Analyzed

Monday 02 December

Analyzed by:



End of Report

Batch: 48695

Page 3 of 3

Lab ID# Lab Use Only!		Temp in Celsius =	Stereo Scope	Optical Properties		RI	Non-Ashbestos Percentage (%)	Page 3 of 9
Field ID/ Client Reference)	Material / Location	% of Asbestos	Color	Morphology	Extinction	Birefringence	Pleochroism	
			Homogeneity	Texture	Sign of Elongation			
8	3C	11	① Br S G T	Friable	II	+	⊥	2
4A	Material BLACK PAINT Location BASEMENT WALL	0	Br D G N	Asbestos Minerals	Asbestos %			
5A	Material CEILING PLASTER Location 1st Floor Bed Rooms	0	N P F S	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite	Morphology			
5B	Material W Location	0	N P D F S	Thermotilite Amosite Crocidolite Tremolite Anthophyllite Actinolite	Extinction			
5C	Material W Location	0	N P D F S	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite	Sign of Elongation			
					Birefringence			
					Pleochroism			
					II	+	⊥	
					Fiberglass			
					Mineral Wool			
					Cellulose			
					Hair			
					Synthetic			
					Other			
					Non-Fibrous			

Temp in Celsius =		Stereo Scope	Optical Properties		RI	Non-Absbestos Percentage (%)	Page 4 of 9
Lab ID# Lab Use Only!	Field ID/ (Client Reference)	Material / Location	% of Asbestos	Asbestos %			
6A	Material CEILING PLASTER WHITE	Location KITCHEN	0 or 0.5	Friable Asbestos Minerals	Morphology	Extinction	
6B	Material W	Location 60	0 or 0.5	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite	Sign of Elongation	Birefringence	
6C	Material W	Location 60	0 or 0.5	Chrysotile Amosite Cirrholla Tremolite Anthophyllite Actinolite	Pleochroism		
7A	Material CEILING PLASTER BROWN	Location KITCHEN	0 or 0.5	Chrysotile Amosite Cirrholla Tremolite Anthophyllite Actinolite	Fiberglass		
7B	Material W	Location 60	0 or 0.5	Chrysotile Amosite Cirrholla Tremolite Anthophyllite Actinolite	Mineral Wool		
					Cellulose		
					Hair		
					Synthetic		
					Other		
					Non-Fibrous		

Field ID/ (Client Reference)		Material / Location	% of Asbestos	Optical Properties	RI	Non-Ashbestos Percentage (%)
			Color			
			Homogeneity			
			Texture			
			Friable	Asbestos %		
7C		Material U	Clayey	Asbestos Minerals	Morphology	
		Location	0 Br ~ 2 g	Chrysotile	Extinction	
8A		Material White CELLING TILE	0 + S f g	Amosite	Sign of Elongation	
		Location	2 m from Bath	Crocidolite	Birefringence	
8B		Material U	6 + S f g	Tremolite	Pleochroism	
		Location		Anthophyllite	II	
8C		Material V	0 + S f g	Actinolite	I	
		Location		Chrysotile	Fiberglass	
9A		Material TIN Floor TILE	0 + S f g	Amosite	Mineral Wool	
		Location	1	Crocidolite	Cellulose	
				Tremolite	Hair	
				Anthophyllite	Synthetic	
				Actinolite	Other	
				Actinolite	Non-Fibrous	

Temp in Celcius = _____		Stereo Scope		Optical Properties		RI	Non-Ashbestos Percentage (%)	Page <u>C</u> of <u>9</u>				
Field ID/ (Client Reference)	Lab ID# Lab Use Only)	Material / Location	% of Asbestos	Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	II	I	Non-Fibrous
X	10A	Material <u>GRAY CONCENTRATED ROOF TILE</u> Location <u>CALF BARN</u>	Color <u>gray</u>	Homogeneity <u>OK</u>	Texture <u>Friable</u>	Asbestos Minerals <u>Chrysotile</u>	Morphology <u>R</u>	Extinction <u>f</u>	Sign of Elongation <u>C</u>	Birefringence <u>weak</u>	Pleochroism <u>loss</u>	II
b1	10B	Material <u>W</u> Location <u>LOC</u>	Color <u>white</u>	Homogeneity <u>OK</u>	Texture <u>Friable</u>	Asbestos Minerals <u>Chrysotile</u>	Morphology <u>R</u>	Extinction <u>f</u>	Sign of Elongation <u>C</u>	Birefringence <u>strong</u>	Pleochroism <u>loss</u>	I
c	10C	Material <u>W</u> Location <u>LOC</u>	Color <u>white</u>	Homogeneity <u>OK</u>	Texture <u>Friable</u>	Asbestos Minerals <u>Chrysotile</u>	Morphology <u>R</u>	Extinction <u>f</u>	Sign of Elongation <u>C</u>	Birefringence <u>strong</u>	Pleochroism <u>loss</u>	I
d	11A	Material <u>12X12 WHITE W/GRAY TILE</u> Location <u>LARGE ROOM</u>	Color <u>white</u>	Homogeneity <u>OK</u>	Texture <u>Friable</u>	Asbestos Minerals <u>Chrysotile</u>	Morphology <u>R</u>	Extinction <u>f</u>	Sign of Elongation <u>C</u>	Birefringence <u>strong</u>	Pleochroism <u>loss</u>	I
e	11B	Material <u>W</u> Location <u>CRAFTS</u>	Color <u>white</u>	Homogeneity <u>OK</u>	Texture <u>Friable</u>	Asbestos Minerals <u>Chrysotile</u>	Morphology <u>R</u>	Extinction <u>f</u>	Sign of Elongation <u>C</u>	Birefringence <u>strong</u>	Pleochroism <u>loss</u>	I

D.N.A.

100

Lab ID# Lab Use Only!		Temp in Celcius =	Stereo Scope	Optical Properties		RI	Non-Ashbestos Percentage (%)	Page _____ of _____
Field ID/ (Client Reference)	Material / Location	% of Asbestos						
11C	Material W Location C of S	0	C	Friable Asbestos Minerals	Asbestos % Morphology			
12A	Material TIN MASTIC Location Little Room	0	C	Extinction				
12B	Material W Location C of S	0	C	Sign of Elongation				
12C	Material W Location C + S -	0	C	Birefringence				
	Material			Pleochroism				
	Location							
				⊥				
					Fiberglass			
					Mineral Wool			
					Cellulose			
					Hair			
					Synthetic			
					Other			
					Non-Fibrous			

Field ID/ (Client Reference)		Material / Location	Temp in Celsius = _____	Stereo Scope	Optical Properties	RI	Non-Ashbestos Percentage (%)	Page _____ of _____
Lab ID# Lab Use Only!								
		Material <i>9x9 BLACK FROST LINE</i> Location <i>105</i>		% of Asbestos				
				Color				
				Homogeneity				
				Texture				
				Friable				
				Ashbestos Minerals	Asbestos %			
				Crypsotile				
				Amosite				
				Crocidolite				
				Tremolite				
				Anthophyllite				
				Actinolite				
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				Actinolite				
				Crypsotile				
				Amosite				



Asbestos Identification Laboratory

165 New Boston St., Ste 227
Woburn, MA 01801
781-932-9600

Web: www.asbestosidentificationlab.com
Email: mikemanning@asbestosidentificationlab.com

Batch: 49578



January 06, 2020

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

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Project Number:
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- State of Rhode Island and Providence Plantations. Department of Health Certification: AAL-121
- State of Vermont, Department of Health Environmental Health License AL934461

Thank you Alan Sundquist for your business.

Michael Manning
Owner/Director

January 06, 2020

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

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Work Analyzed: 2020-01-06

Analysis Method: BULK PLM ANALYSIS EPA/600/R-93/116

FieldID LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
1A 549748	Gray Fire Motar	Admin Bld.	gray	Non-Fibrous 100	None Detected
1B 549749	Gray Fire Motar	Admin Bld.	gray	Non-Fibrous 100	None Detected
1C 549750	Gray Fire Motar	Admin Bld.	gray	Non-Fibrous 100	None Detected
2A 549751	Green Vapor Barrier	Farmhouse	green	Cellulose 90 Non-Fibrous 10	None Detected
2B 549752	Green Vapor Barrier	Farmhouse	green	Cellulose 90 Non-Fibrous 10	None Detected
2C 549753	Green Vapor Barrier	Farmhouse	green	Cellulose 90 Non-Fibrous 10	None Detected
3A 549754	Black Vapor Barrier	Farmhouse	black	Cellulose 50 Non-Fibrous 50	None Detected
3B 549755	Black Vapor Barrier	Farmhouse	black	Cellulose 50 Non-Fibrous 50	None Detected
3C 549756	Black Vapor Barrier	Farmhouse	black	Cellulose 50 Non-Fibrous 50	None Detected

Monday 06 January

Analyzed by:

End of Report

Batch: 49578

Page 1 of 1

Client: ConConsultants Inc
 Address: 16 Hulen Drive Natick MA
 Project Site & #: 1030 BEAVER ST

Phone / email address: MOSBREK@CONCONSULTANTS.COM
 Contact: Alexander ConConsultants
 Relinquish by/date: 1/16/2020
 Received by/date: 1/16/2020
 # of Samples Received: C1

Asbestos Identification Lab
 Suite 227
 Woburn, MA 01801
 (781)932-9600
www.asbestoidentificationlab.com

Date Sampled: 1/16/2020
 BATCH# 195178
 Rev 06/16



Date: 1/16/2020
 Analyzed By: ML
 Notify Method: Mail/E-Mail/Verbal
 Yes
 No

Temp in Celsius = 15
 Stereo Scope
 Optical Properties
 RI
 Non-Asbestos Percentage (%)

Lab ID#
 (Lab Use Only)

Field ID/
 (Client
 Reference)

Material grey fine wavy
 Location ADMN BLD

% of Asbestos
 Color
 Homogeneity
 Texture
 Friable

Asbestos
 Minerals
 Asbestos %
 Morphology

Extinction
 Sign of
 Elongation
 Birefringence
 Pleochroism

II
 ⊥
 Fiberglass
 Mineral Wool
 Cellulose
 Hair
 Synthetic
 Other
 Non-Fibrous

Page 1 of 5
 EPA/600/R-93/116

Turnaround Time
 Less 3 Hrs
 Same Day
 Bulk
 Soil
 Wipe
 Point Count

Stop on 1st Positive?
 Yes
 No

50	49	B	Material <u>11</u> Location <u>ADMN BLD</u>	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite	Optical Properties RI Non-Asbestos Percentage (%)
50	10	C	Material <u>11</u> Location <u>ADMN BLD</u>	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite	Optical Properties RI Non-Asbestos Percentage (%)

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celsius = _____	Stereo Scope	Optical Properties		RI	Non-Asbestos Percentage (%)	Page <u>2</u> of <u>3</u>
				% of Asbestos	Homogeneity			
57	2A	Material <u>GREEN VAPOR BARRIER</u> Location <u>Farm House</u>	Material <u>V</u> Location <u>W</u>	0	N	Asbestos Minerals	Asbestos %	
52	2B	Material <u>U</u> Location <u>W</u>	Material <u>U</u> Location <u>W</u>	0	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite	Morphology	
53	2C	Material <u>BLACK VAPOR BARRIER</u> Location <u>Farm House</u>	Material <u>W</u> Location <u>W</u>	0	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite	Extinction	
54	2A	Material <u>BLACK VAPOR BARRIER</u> Location <u>Farm House</u>	Material <u>W</u> Location <u>W</u>	0	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite	Sign of Elongation	
55	2B	Material <u>W</u> Location <u>W</u>	Material <u>W</u> Location <u>W</u>	0	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite	Birefringence	
							Pleochroism	
						⊥	Fiberglass	
						R	Mineral Wool	
						q0	Cellulose	
						q0	Hair	
						l0	Synthetic	
						l0	Other	
						l0	Non-Fibrous	
				50		50	50	50
				50		50	50	50

		Lab ID# (Lab Use Only)		Temp in Celsius = _____		Stereo Scope		Optical Properties		Rl	Non-Asbestos Percentage (%)
		Field ID/ Client Reference)		Material / Location		% of Asbestos		Asbestos %			
						Color		Morphology			
						Homogeneity		Extinction			
						Texture		Sign of Elongation			
						Friable		Birefringence			
						Asbestos Minerals		Pleochroism			
						Chrysotile					
						Amosite		⊥			
						Crocidolite		Fiberglass			
						Tremolite		Mineral Wool			
						Anthophyllite		Cellulose			
						Actinolite		Hair			
						Chrysotile		Synthetic			
						Amosite		Other			
						Crocidolite		Non-Fibrous			
						Tremolite					
						Anthophyllite					
						Actinolite					
						Chrysotile					
						Amosite					
						Crocidolite					
						Tremolite					
						Anthophyllite					
						Actinolite					
						Chrysotile					
						Amosite					
						Crocidolite					
						Tremolite					
						Anthophyllite					
						Actinolite					